Field Day 2017!!

Memorial Park

Just A Part Of The FLARC Membership For Field Day 2017!

A Perfect Weekend For A Great Event

"Perfect" might be the best word to describe FLARC's 61st Anniversary Field Day. After an early morning that did not look promising weather-wise, the Sun came out and the weather turned out to be picture perfect. Band conditions were also workable despite being at the bottom of the sunspot cycle.

This year's Field Day was a bit different from others. Gone was the "ladder beam" replaced by dipoles for 160/80, 40 and 20 meters along with N2SIQ's vertical to manage the changing propagation reality. A 6 meter station running under solar provided by W2TTT provided new experiences with the magic band and also some "free contacts". MESH networking continued to be featured and demonstrated.

A concentration on the GOTA station was a 2016 promise made and kept. Under the tutelage of N2ST and W2KBF we had seven new amateurs and ten total participants on the air using HF.

The Club's 61st Anniversary

Food, family and friends capped the weekend with a gaggle of visitors from The Red Cross, OEM, and representatives from local, county and federal government with an ARRL presence at both the section and division level.

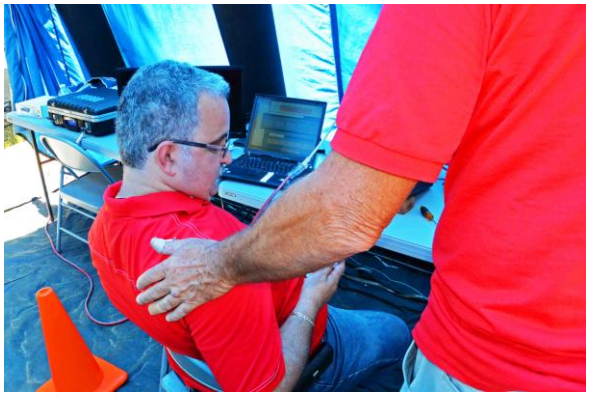
So...how did we do?

- An increase in member participation -- 47 this year vs. 43 in 2016
- An increase in visiting ham attendance -- 15 this year vs. 10 in 2016
- Faster overall field setup time
- Increased publicity that attracted more visitors, dignitaries, and media mentions and
- Our highest submitted contest score.

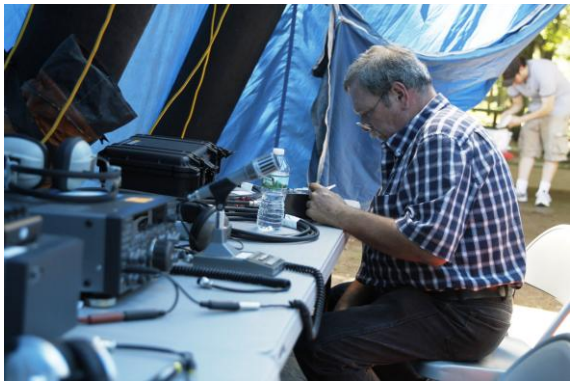
Our final submitted score was **3,022** points -- up 16% from 2016's 2,598 and 2,082 in 2015. If submitted in 2016, the club would have placed 103rd of 376 in category 2A.

Photo Credits To:
N2PRT, W3EH, W2KBF and KD2MOB
See ALL The Pix On Our Facebook Page
Or At
http://bit.ly/2sZHYnm

Kevin (K2KCC) catches a quick nap.



Tony (N2SIQ) at the SSB station.

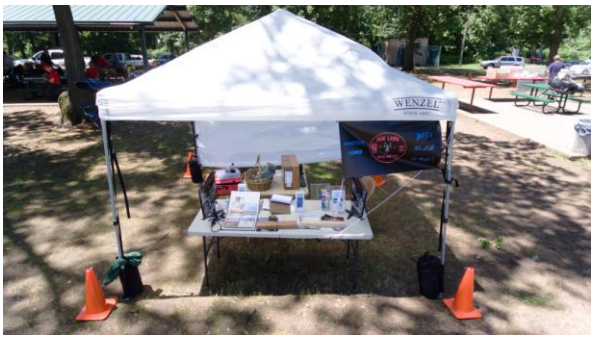


Harry (KB3PQP) at the controls.

Steve (KA2YRA), Van (W2DLT) and Kevin (K2KCC).

Scenes Around The Field Day Site

Field Day Chairman Steve (WA2BYX)



The Publicity Tent

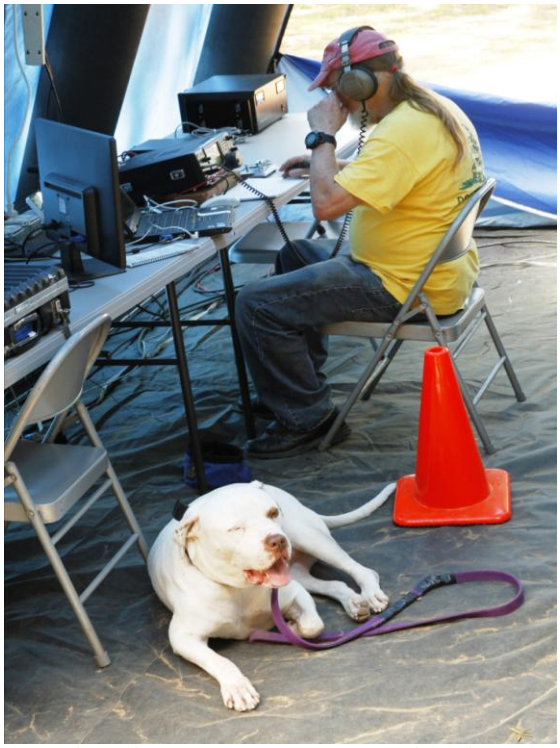
Van (W2DLT) at the SSB station

Ed and Marlene Gruber / American Red Cross

Bill (W2OJ) at 98 has been doing Field Day since 1935

The Pavilion

A Special Thanks To WA2BYX, N2ST, W2JC And All Who Helped!



George (W3EH) at the CW station with Pincus (CA9N)

Gordon (W2TTT) and Matt (KD2MLR) operate on 6 meters

Brad (KD2GNY) and the satellite installation

John (KC2OCD) and Rob (KC2ORX)

A Thanks To Our Ham Visitors: Gene (K2KJI), Bill (W2OJ), Gary (N2DBO), Bill (N3ILL), Margaret (KD2MAR), Stu (KD2CRR), Mike (K2ZAD), Matt (KD2MLR), Rob (KA2PBT), Mike (KA2MRK), Mary Ann (K2RUH), Steve (K2SO), Matt (K2FTP), Sandy (KC2CIH), and Mary Ann (K2RVH).

A Great FLARC Turnout!

A Thanks To All FLARC Members Who Took Part !!

Carol (KD2NMV), Bill (KB2OCJ), Jim (W2JC), Robert (KD2NOG), Rachel (AJ4WD), Dave (KD2MOB), Susan (W6SKT), Brad (KD2GNY), Dave (NK2Q), George (W3EH), Cathy (W2YSF), Pete (W2HP), Steve (WA2BYX), Tom (N2ST), Fred (W2ABE), John (KC2OCD), Don (N2PRT), Joe (KD2KLS), Rick (W2LCN), Dave (K2OCR), Ed (WX2R), Gene (WO2W), Steve (KA2YRA), Harry (KB3PQP), Zach (KC2RSS), Ron (KC2TBD), Rob (KC2ORX), Tony (N2SIQ), John (KC2OCD), Judith (KC2LTM), Randy (WU2S), Van (W2DLT), Bob (KD2BKD), Matt (K2FTP), Karl (W2KBF), Roz (KD2GKA), Skip (KD2BRV), Gordon (W2TTT), Nancy (N2FWI), John (KD2NRS), Kevin (K2KCC), Roz (KD2GKA), Brian (KD2KLN), Paul (WA2IIE), Gary (N2DVL), Thom (W2NZ) and Joanne (KC2QGH). Did we miss anyone?

Keep An Eye Out For FLARC Field Day on FLTV!

Congratulations To Our GOTA Participants!!

Bob (KD2BKD), Robert (KD2NOD), Carolyn (KD2NMV), John (KD2NRS), Steve (KA2YRA), Dave (KD2MOB), Peggy (KD2MYN), and Michael, Leo and Giancarlo.

And our GOTA captains: Karl (W2KBF) and Tom (N2ST).

Get On The Air!!

Bob (KD2KDZ), Tom (N2ST), Steve (KA2YRA) and Karl (W2KBF).

Dave (KD2MOB) and Tom (N2ST) at the GOTA station.

Waiting for the DX to arrive...

"I swear it was NC not SC..." says N2ST to WX2R at the CW station.

Bob (KD2KDZ), Randy (WU2S) and Jim (W2JC) at the MESH station.

John (KC2OCD) and Mike (KC2ZX) as night falls.

A Covey Of Visitors

Bergen County Freeholder David Ganz and Randy WU2S

Fred (W2ABE), Judith (KC2LTM) and Mayor Cosgrove

WU2S, WX2R and Council Member Amy Lefkowitz

Van (W2DLT) and Councilman Marc Zharnest with Roz (KD2GKA) and Caroline (KD2NMV).

Current NNJ Section Head Steve Ostrove (K2SO)

Hudson Division AD/ and FLARC member(AJ4D) Rachel Weiss and KC2LTM

Activities and Recognition

Tony (N2SIQ), Van (W2DLT) and Jim (W2JC)

Brian (KD2KLN) and Karl (W2KBF) at the GOTA station

KC2LTM, Patches Magarro from Rep. Gottheimer's office and WX2R.

Congressman Josh Gottheimer

Congressional Certificate of Recognition

Presented to

Fair Lawn Amateur Radio Club

On the Occasion of Your 60th Anniversary

Congratulations on reaching this remarkable milestone. Your commitment to providing the Fair Lawn community with information on public events and for emergency response is exemplary. You have displayed excellence in community activism, public service, and leadership.

June 22, 2017

Member of Congress
5th District of New Jersey

Certificate of Congressional Recognition

W2NPT

The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

Volume 2, Number 7 www.FairLawnARC.org July 2017

From The President:

To all FLARC Members and Friends,

The month of June certainly flew by!!

The Fair Lawn Street Fair that turned out better than expected even though the weather was extremely hot.

A presentation of "What is Field Day" by Steve, WA2BYX and Tom, N2ST.

Then, of course Field Day itself. I cannot say enough "Thank You's" to all the members that helped coordinate this event over the past months.

It just proves with Teamwork it can be done.

To end the month the Fireworks was just what we needed. The time to once again volunteer and relax to watch the show.

This month's *Resonator* will say more than I can right now, so continue to read on and enjoy the club's activities.
Super Big Thanks To All!

Judith, KC2LTM
President

Inside This Issue

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Member Profile

NAME: **Kevin C. Connell** CALL: **K2KCC**

What do you do/what did you do for a living?

I am a National Registry (ARRT) licensed Radiologic Technologist specializing in diagnostic imaging with X-Ray and CT. I currently work for a large Orthopedic group in the Bergen County area, and also teach medical imaging for the Radiography Program in the Divisions of Health Professions at Bergen Community College.

These are my second and third careers as I have spent most of my life in emergency services including EMS, hazardous materials response and environmental protection.

How did you get interested in ham radio?

When I was younger, I was a CB radio fan and had a couple of SSB units including a Cobra 148 mobile and a 2000 GTL base station with all of the extra upper and lower channels installed. I owned plenty of scanners and loved to monitor or listen. My antenna system was not the greatest so I couldn't pick up much more than local communications. A friend gave me a shortwave radio with an external antenna and that got me even deeper into communications. I purchased a mobile 2m/70cm radio to cover frequencies that I couldn't listen to with my scanner. I knew a license was needed to transmit with this radio, so I studied the license manual and finally earned my technician ticket in 2006.

Continued on page 10

The Club

Fair Lawn ARC is the friendliest ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2017 Officers and Committees

President	**Judith Shaw**	**KC2LTM**
Vice President	**Fred Wawra**	**W2ABE**
Treasurer	**Nancy Beattie**	**N2FWI**
Secretary	**Randy Smith**	**WU2S**
Trustee	**J Cooper**	**W2JC**
Trustee	**Dave Marotti**	**NK2Q**
Trustee	**Steve Wraga**	**WA2BYX**
Field Day	**Steve Wraga**	**WA2BYX**
Health and Welfare	**Al Rasmussen**	**WA2OWL**
Speakers	**Lowell Vant Slot**	**W2DLT**
Publicity	**Ed Efchak**	**WX2R**
Publicity	**Gene Ottenheimer**	**WO2W**
Publicity	**Susan Frank**	**W6SKT**
Program	**Lowell Vant Slot**	**W2DLT**
Publicity	**Al Rasmussen**	**WA2OWL**
Publicity	**Karl Frank**	**W2KBF**
Publicity	**Judith Shaw (ex officio)**	**KC2LTM**
Social Media	**Dave Marotti**	**NK2Q**
Video/YouTube	**Thom Guida**	**W2NZ**
Contest	**Tom Stefanic**	**N2ST**
VE Liaison	**Gene Ottenheimer**	**WO2W**
VE Liaison	**Pete Senesi**	**KD2BMX**
Education	**Gordon Beattie**	**W2TTT**
Education	**Fred Wawra**	**W2ABE**
History	**Gene Ottenheimer**	**WO2W**
History	**Lowell Vant Slot**	**W2DLT**
History	**Rosalyn Roimisher**	**KD2GKA**
Photographer	**Don Cassarini**	**N2PRT**
W2NPT Trustee	**Paul Cornett**	**W2IP**
Technical	**Paul Cornett**	**W2IP**
Technical	**Randy Smith**	**NU2S**
RACES Liaison	**Steve Wraga**	**WA2BYX**
Newsletter Editor	**Ed Efchak**	**WX2R**

Member Profile (Continued)

What parts of the hobby most interest you?

I am overwhelmed at the diversity of the hobby. Worldwide DX via the different bands is my primary interest but I have every intention on learning CW and look forward to spending time listening to and practicing code. I am also learning the technical aspects of the hobby, from antenna building to inductance, impedance and reactance.

What does belonging to FLARC mean to you? How do you/can you better contribute to the club?

I have only been a member of the club for approximately a year, but I feel FLARC is a great asset to communications and the local community. Having a club like ours, especially with our fantastic facilities, stations and equipment assures that interest remains in the hobby. Up until recently, I never owned an HF radio. I only owned a dual band 2m/70cm FM mobile and my only "ham" communications were via local repeaters. I wanted more. After visiting FLARC at Memorial Park for portable day last year, I was hooked by the information that FLARC had a clubhouse with HF radios and antennas that I could use to learn HF communications. I am grateful for the club, it's officers and members for furthering my interest in the hobby.

I am a behind the scenes kind of guy and since I have a lot to learn about the hobby, I try to help any way I can. Most of my radio experience is in emergency communications, and given my emergency training, if we ever have any need for emergency activation, I'm ready.

What should be the club's priorities in the next year?

We are doing a great job in getting the club name out there. The street fairs and public events are getting us great exposure for the community to see that we can help and are a vital asset if ever needed. We should continue this exposure and possibly work with Bergen Community College to get some of the local college students interested in the technology and hobby.

Continued on page 15.

A W2NPT Repeater Update

Paul (W2IP), our license trustee, has the following update on the recent repeater changes:

I wish to thank everyone for their patience while the technical committee has been troubleshooting the purported interference on the repeater. I have decided in everyone's best interest to revert back to the audio CTCSS signaling (PL) Tone of 167.9 Hz or EIA code 6Z while keeping the transmitter PL tone disabled on the repeater.

The hang time has been extended for 2 seconds, as before.

I know many of you are saying, "Oh-no not again." Believe me, I'm not doing this to anger anyone, it's all part of the process in identifying and proving where problems exist and searching for a reasonable remedy to those problems. At this point in time, this appears to be the best remedy with the resources at hand.

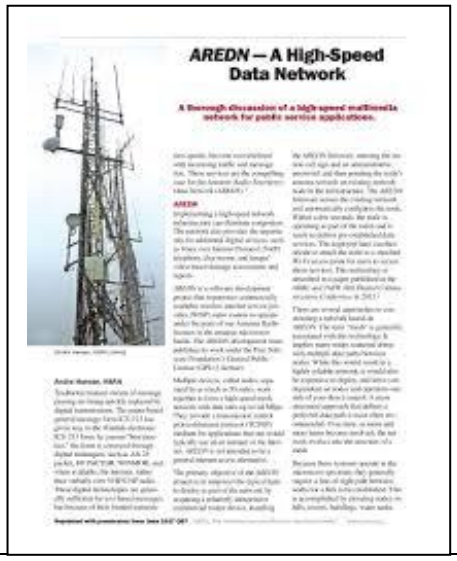
Paul, W2IP

AREDN Wins ARRL Award

The winning article for the June 2017 *QST* Cover Plaque award is "AREDN — A High-Speed Data Network" by Andre Hansen, K6AH.

The *QST* Cover Plaque Award -- given to the author or authors of the most popular article in each issue -- is determined by a vote of ARRL members on the *QST* Cover Plaque Poll web page. Check out the June 2017 issue.

Kudos to Randy (WU2S) and the AREDN team.


AREDN — A High-Speed Data Network

A thorough discussion of a high-speed multimedia network for public service applications.

The Monday Night *Near and Far* Net

It's about six months since the *Snowbird Net* began and then morphed into the N&F net. Our rough count has 30 different member or visitor check ins... that's "net" (no pun intended). Check-ins from China/Taiwan, Italy, and Florida (which is a separate country in the Winter).

Here we are... so far... no order for sure.

Who did I miss?? Let Ed (WX2R) know and we'll add you to our N&F roster and Hall of Fame.

The net runs every Monday at 2000 Eastern Time on the repeater. Everyone is welcome.
Thanks for checking in!

WO2W
WX2R
W2JC
W2DLT
K2RJF
WA2BYX
K2TRW/BM2NHC
KC2TBD
KC2ZX
KD2BRV
KD2KLN
N1STU
N2ST
NQ2T
W2IP
W2KBF
W2NZ
W6SKT
WA2OWL
WI2W
WU2S
N2HIP
KD2BKD
KD2BKD
KD2NOG
KC2X
W2TAB
N2VHZ
W2TU
K2BIX...and???

MASTER EVENT CALENDAR

July 16	Sussex County ARC Hamfest
July 16	VanFest II, Long Valley, PA
July 21	Nathaniel Frissel (W2NAF) Propagation and The Solar Eclipse of 2017
August 18	A Look Back: FLARC Over The Years -- a panel discussion
August 19-20	North American SSB QSO Party
August 21	Solar Eclipse QSO Party
September 10	ARRL New Jersey State Convention (Mullica Hill)
September 15	Field Day 2018 or Alternative Program TBD
September 16-17	NJ QSO Party
September 23	Portable Day With BARA
October 15	Fair Lawn Street Fair
October 20	Ria Jairam (N2RJ) "YLs, SDR and Setting Up A World Class Station"
November 17	Program TBD
November 24	FLARC Auction/Senior Center
December 1	FLARC ANNUAL MEETING and Holiday Dinner
December 15	Mike Lisenco (NY2RB) ARRL Hudson Division President (Scheduled)

Upcoming Activities

TBA	Radio Astronomy and Amateur Radio
TBA	W1TP Enigma Presentation w/Fair Lawn Public Library

Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook: http://facebook.FairLawnARC.org

Twitter: @FairLawnARC

Blog: http://blog.FairLawnARC.org

Youtube: http://youtube.FairLawnARC.org

FLARC VEC Exams

Our next test sessions are scheduled for **Saturday, July 8th and July 22nd** beginning at 09:00 at the Community Center. No advanced registration is required but always appreciated. The fee is $15.00 (cash or check).

Please bring positive identification (license, passport, etc.), your original license and a copy, original CSCE and a copy (if credit is needed).

The full exam schedule is on the club calendar at the FairLawnARC.org website. For further information contact VE-Liason@FairLawnARC.org.

Please refer also to the "License Exams" link on the main website--

http://testing.FairLawnARC.org

We appreciate your support of the Fair Lawn Amateur Radio Club!
This is your Club! Be part of it!

2017 Chamber of Commerce Radburn Street Fair

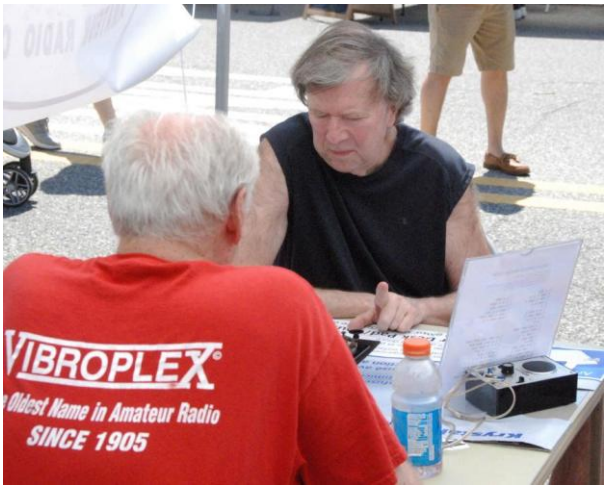
Shake hands...kiss babies...it's the Street Fair!

Relief from the 90+F heat was the order of the day

The FLARC 2m antenna above the booth.

The FLARC banner showcases the booth for visitors.

Visitors were steady if not heavy on a hot day...even attracting canines.



Larry (WA2ALY) as usual worked CW magic with guests.

TNX To WA2ALY, W2KBF, KC2KCC, W2JC, W2NZ, KD2BRV, KC2LTM, W2ABE, and WX2R and all those who checked in on the air!

Field Day Preview

The week before Field Day brought club plans and actualities together for a general meeting of the club's activities for this year's event.

Field Day Chairman Steve (WA2BYX) and Contest Chair Tom (N2ST) led the discussion with Steve focusing on background, site setup and logistics while Tom focused on the station operation and provided a well-done video that covered general FD operation and use of the N1MM logging software.

The questions were numerous and the amount of attention would seem to indicate a lot of new member interest and a strong sense of overall volunteer interest in the event.

Steve (WA2BYX) kicks off the Field Day discussion.

Tom (N2ST) followed on with an overview of contest operation and the use of N1MM software.

2017 FLARC Speaker Series Locations:

SPEAKERS WHO ARE FLARC MEMBERS:
FLARC CLUBHOUSE

SPEAKERS WHO ARE INVITED GUESTS:
FAIR LAWN SENIOR CENTER

Notes From All Over

Brian Cirulnik (KD2KLN) earned his General license at the June testing session at FLARC. Congratulations!!

Gene (WO2W) received a note that ARRL Hudson Division Director Mike Lisenco has approved the application of the Fair Lawn Amateur Radio Club to hold an ARRL approved hamfest (auction) in Fair Lawn, NJ on November 24, 2017. So save the date!!

Congratulations to FLARC Member Lee Smith, KD2DRS, upon his re-appointment as ARRL NNJ Affiliated Club Coordinator.

Silent Key

The club regrets to announce the death of Past President Syd Rosenfield, SK (N2ZSE). Syd was a member of FLARC for over 15 years and at one time or another held all of the board positions at FLARC. He was a loyal and dedicated member and the club mourns his passing. RIP OM

June 2017 Blog Traffic

Quite a nice month with page views and visitor traffic--the *second highest* since we started keeping count. Here is the data:

	June 2017	June 2016	Change
Views	625	229	+172%
Visitors	178	68	+162%
Posts	19	13	+46%

And we continue to grow!! There is new content nearly every day so it's really worth the look to both FairLawnARC.org and the blog.

http://blog.FairLawnARC.org

Awards and Recognition: N2ST

Congratulations to Tom (N2ST) for the arrival of two DXCC certificates from the ARRL in his mailbox. The first was for DXCC phone and quickly followed by DXCC +50 attribution. This goes along with Tom's DXCC + 50 mixed.

Last year Tom was close to getting the awards but our 60th anniversary presentation by Pete (W2IRT) got him motivated to fill in the missing holes and get it done.

Here they are on the wall of the shack...great work, Tom!!

N2ST Wall of Fame

By the way, look for a past story from nj.com on Tom and his Winter travels to Florida and the Bahamas on this month's FLARC blog. http://wp.me/p3S055-tE

VE Testing: Just a reminder that FLARC has **four** VE test sessions over the Summer--July 8 and 22nd and August 12 and 26th.

Member Profile (Continued)

What else can you tell the club about yourself and/or ham radio?

I just purchased my first HF rig and I have been busy studying the operations manual to learn how to use it. I have a dipole antenna that I made myself. So I am also learning how to set up the antenna, tune it with the antenna tuner and get on the air. I am not a technical guy and I don't have any electrical, engineering or real ham radio background, so the building, modifying and tuning is all by reading and trial and error. I like to think outside the box, so I might get pretty creative with how I set up my antennas and station. Since I live in a first floor apartment at the bottom of a hill, my home location doesn't lend itself to good communication conditions. I will be doing most of my HF communications "portable" outside the house or from the mobile.

Kevin (K2KCC)

What other ham related clubs or organizations do you belong to?

I am a member of the ARRL but other than that, I am not affiliated with any other clubs at the moment. I am a "life member" of the Pearl River (N.Y.) Fire Department in Rockland County with over 35 years as a member. I am also a member of the International Association of Hazardous Materials Technicians and New York State Fire Safety Educators Council.

Congratulations!

Pete (KD2BMX) reports the results of the June 13, 2017 FLARC VEC Amateur Radio Exam Session:

Total Number of Candidates served: 4

Name	Call	License Earned
John L. Howard	None	Technician
Danielle Edie	KD2MHM	Extra
Brian Cirulnik	KD2KLN	General
Boguslaw S Czerniakowski	None	Technician

North Jersey's Ham Marketplace!

Check Out The Blog For Good Stuff
Best Area Resource Around!!
http://blog.FairLawnARC.org

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception.

The club meets every Friday at 7PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM.
Visitors are always welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL **167.9**) located atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has approximately 100 members.
Dues are currently $25 per year/$20 for new members.

For more information, please see our website, at

http://membership.FairLawnARC.org

Part Of The Crowd At Street Fair

Don't Forget VanFest II

July 16th
at Van's (W2DLT) QTH in the Poconos.
See him for details.

FAIR LAWN N J AMATEUR RADIO CLUB

FAIR LAWN'S TECHNOLOGY HOUSE!

Checklist For New Hams
By Jim W2JC

When you receive your license and call sign, there are a few things to do which you probably don't know even exist!

Every ham licensee automatically gets a free page on QRZ.com ... if you do nothing with it, there is your name and address and call sign shown. That's all.

BUT you can add your email address, which makes it much easier for other hams to be in touch ... about things like QSL cards, mutual interests, etc.

In addition, you can create your own page ... as simple or elaborate as you like. There are lots of tools to help you be creative. This is a great way to tell about your equipment and antennas, awards you might earn in the future, any special ways you want to receive QSL cards, clubs you belong to, etc. Browse around some of the pages and see how they look, and to get ideas for your own. For example, DF9ZV was just worked by our club station W2NPT recently - he has pictures of his cute QSL card, his antennas, and his shack.

QRZ.com is also a great place to keep your log up to date. You should set up a log there, and also one at the Logbook of the World (run by the ARRL). Once you have set up your LotW log it is easy to enter your QSOs (contacts) in the QRZ log and then with a couple of clicks send them up to LotW with no additional typing.

Another place to get QSLs and confirmations of your contacts is at eQSL.cc (dot see see, not .com which is a Limousine service!). Basic eQSL service is also free.

To get on the air quickly it's easy to get one of the low cost HTs (Handi-Talkies) such as many of the club members have. Some are available for as little as $40 and will let you become active on the club repeater, and many other repeaters in our area. A great place to get the inexpensive Baofeng HT is from https://baofengradio.us/ They support their sales with a warrantee, so you would not have to send it back to China for any repairs that might be needed -- though that happens rarely. KJI Electronics in Cedar Grove, NJ (http://www.kjielectronics.com/) is a local place to get them as well.

A tradition of ham radio that goes back to the very beginning is the exchange of QSL cards. If you have been to the Fair Lawn club you have probably seen the display of many QSL cards the club has received. They range from very simple designs to some stunning designs. You can find QSL card printers by simply 'Googling" "QSL cards for amateur radio" -- browse around and find a design you like. Most hams will send their QSL if they receive one from you and confirm in their log that you contacted them on the air. Have you seen the QSL card that FLARC sent out for contacting the Special Event Station at Great Falls National Historical Park?

A feature offered by the ARRL is email forwarding using your call sign. If you are a member of ARRL, you can have an email address such as KD2ZZZ@arrl.net and it will automatically send all those emails to your regular email account (you set it up after logging into the ARRL website as a member). This makes it easy for your ham friends to be in touch with you without having to remember anything but your call sign.

Since there has been a lot of buzz about it around the club lately, you may have heard of EchoLink ... which lets you use a PC, laptop or even your smart phone to make connections with repeaters and other hams all around the world -- even if you don't have a radio, or an outside antenna. The website at EchoLink.org tells you all about how it works, and lets you download the program for PCs and laptops. They have a procedure for "validating" that you have a ham license, but it's fairly easy. Ask at the club meetings if you need guidance.

These are some of the ways you can get involved with our hobby that you probably didn't know about. It's surprising how many call signs on QRZ.com have never been updated past the automatic basic page -- probably because those hams don't even KNOW they have a free page at QRZ.com!

A Helpful "Get Onto EchoLink" Hint

EchoLink requires a Radio Amateur to validate their registration by downloading an “Official Copy” of their license from the FCC database, and then uploading to the EchoLink website.

We were unable to download an Official Copy (with both IE and Chrome) until Van noticed a small box warning us that pop-ups were being blocked. We opened the warning box with a right-click, chose to permit pop-ups from the FCC website and then – voila – a popup window appeared, permitting the download and successful validation!

So watch out for those popup blockers.

DE Karl (W2KBF)

2017 Fair Lawn Fireworks

The Fourth of July arrived on June 29th as the club again participated in the annual fireworks event providing communication to the volunteers and organizers.

Gene (WO2W) discusses the evening's activities.

A great turnout of FLARC volunteers:

Thanks to KC2OCD, WA2BYX, N2ST, KC2LTM, KC2RSS, KD2MOB, KD2BRV, KD2GKA, N2FWT, N2JLZ, N2SIQ, W2ABE, WX2R, W2LCN, W2TTT, W3EH, WO2W, KD2MLO, KB2LNQ, N2SMI, W2DLT, K2IJD, K2RJS, K2NOG, W2HBB. Who did we miss?

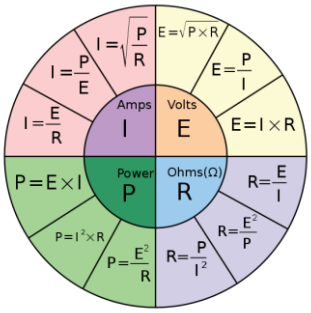
Tech Talk July 2017

Obey The Law!
Which law? Ohm’s Law, of course.

From experiments leading to a paper published in 1827, Georg Ohm described measurements of applied voltage and current through simple electrical circuits containing various lengths of wire.

However, it was James Prescott Joule, not Georg Simon Ohm, who in 1840 first discovered the mathematical relationship between power dissipation and current through a resistance. This discovery, published in 1841, is properly known as Joule's Law. However, these power equations are so commonly associated with the Ohm's Law equations relating voltage, current, and resistance (E=IR ; I=E/R ; and R=E/I) that they are frequently credited to Ohm.

Keep in mind that Ohm’s Law applies to direct current (DC) circuits and to alternating current circuits where the voltage and current are in phase. For AC circuits, think impedance instead of resistance.



In addition to the familiar triangle of the basic Ohm’s Law, this electrical wheel of fortune is a useful aid to remembering the fundamental relationships in circuits.
73,
Randy WU2S

References

1) https://en.wikipedia.org/wiki/Ohm%27s_law
2) https://en.wikipedia.org/wiki/Joule_heating
3) https://en.wikipedia.org/wiki/James_Prescott_Joule
4) https://commons.wikimedia.org/wiki/File:Ohm%27s_Law_Pie_chart.svg Chart is licensed under the Creative Commons Attribution-Share Alike 3.0 Unported license

ARRL State Convention

The ARRL NJ State Convention on September 10th will be held in Mullica Hill, NJ. This is easy to reach from Exit 2 on the NJ Turnpike. Note that K2KJI is a registered vendor.

Here is a link to the event:

http://gloucestercountyarc.weebly.com/hamfest-2017.html

Donation To The Club

Frank (K3GDX) donated a Heathkit Cheyenne transmitter and Comanche receiver. Circa late 1950's. Nothing PC about this gear. Have a look next time you're at the station. A big THANK YOU Frank!!

Save The Date: August 21st Solar Eclipse QSO Party

The club will participate in this HamSCI/ARRL sponsored event to generate scientific data to study atmospheric changes during the solar eclipse.

1400-2200 UTC at the clubhouse. We will look to operate CW and phone.

See July 21st Save The Date for more background.

http://hamsci.org/seqp-rules

Theoretics Demystified

Wavelengths

Recently someone came into the shop with an old Kenwood 225 transceiver and wanted just to listen to the shortwave bands.

The set is a ham band transceiver and listening was ok but not to transmit. This led to an explanation of antenna requirements and that led to an explanation that basically it is the efficiency of the antenna that receives the signal and what the receiver does is to interpret it so it becomes useable to the operator. That being said the length of the antenna is determined by the wave length signal that you want to 'capture'. The higher the frequency (times per second that signal oscillates) the shorter the wave length. (The more changes you cram into a given time, the smaller the changes have to be). This is why, and a big clue, the operating ham bands are known by their wave length. The lower the frequency of the band, the bigger the antenna has to be to be efficient. This is why cell phones and wi fi devices have a small or hidden antenna, as the operating frequency is so high. So the person with the old radio will be using the antenna that was originally with the radio.

Remember antennas need to pick up electro magnetic waves and convert them into electrical signals the receiver can process.

Fred, W2ABE

Veep Beeps

As we really head into Summer, most of this year's big events are past. The big Sussex hamfest is this month and after that is August when a lot of hams are on vacation and hopefully making contacts at the same time. Our cavalcade of speakers will continue and our knowledge will grow along with it. We are also experiencing growth as a club through the efforts of the publicity committee and introduction to the club at Wayne Electronics. Special thanks to all who worked so diligently to make Field Day a success!

Fred, W2ABE

7 July 2017 Meeting Notes (1)

President Judith KC2LTM called the meeting to order at 7:38 p.m. The members rose and recited the Pledge of Allegiance.

President Judith KC2LTM asked the members present to remain standing for a moment of silence in honor of Syd Rosenfield, N2ZSE, a FLARC Life Member and recent Silent Key. She and Gene WO2W recounted Syd's many contributions to the club, including a substantial gift of equipment.

President Judith KC2LTM requested Secretary Randy WU2S to determine if a quorum was present to conduct club business. Randy called the roll of officers and trustees with Treasurer Nancy N2FWI, Trustee Steve WA2BYX and Trustee Dave NK2Q absent. A quorum of three officers and one trustee were present. Treasurer Nancy N2FWI was in the club's office working on producing this year's membership cards and later joined the meeting in progress at 7:59 p.m.

President Judith KC2LTM asked if there were any visitors or new members present or any license upgrades. Two new members, Dave N2AAM and Bob WA2WYW, introduced themselves and told the meeting a little about their history as hams.

Secretary Randy WU2S announced that the minutes from the June meeting were emailed to all members and that they had also been published in the latest edition of the club's newsletter, The Resonator. He asked the members present if there were any corrections or amendments needed. There were none so Fred W2ABE moved to accept the minutes as published and John KC2OCD seconded the motion. The motion passed by acclamation.

President Judith KC2LTM announced that we received a letter from Jim Graff, Superintendent of Recreation and Parks, thanking FLARC for its participation in the recent Independence Day fireworks display at Memorial Park. She noted that 16 members participated in the communications support activity for the event.

July 2017 Meeting Notes (2)

President Judith KC2LTM said FLARC members may now become members of the Memorial Pool at the Fair Lawn resident's rate by showing their club membership card and a driver's license. This is a new benefit for club members. Mayor John Cosgrove said "I just wanted to let you know that I spoke to the Manager this morning about non-resident members of the Club being able to buy passes for Memorial pool. He has given the okay, so please let your members know that they can buy passes for themselves and their immediate family. When purchasing the badges, they should identify themselves as a member of the Fair Lawn Amateur Radio Club."

President Judith KC2LTM told the meeting that there has been some recent discourtesy to the Community Center staff. She reminded members the club is a tenant of the building at no cost and that we must be respectful and patient with the Center's staff as they are often busy. She advised members to make sure that operating positions and workbenches are clean and orderly after working in the area. She noted that a number of cigarette butts were cleaned up from the ground outside near the back door. A waste container for these has been ordered.

President Judith KC2LTM asked Jim W2JC to tell the members about a recent email phishing attempt. Jim recounted the incident, which did not affect FLARC's email, and briefly described how one could recognize such fraudulent behavior. In this case, the email purported to be from Microsoft announcing some "scheduled maintenance" on the recipient's Windows computer.

Jim reminded the meeting that a recent presentation covered this subject in depth. Treasurer Nancy N2FWI announced that she is preparing this year's membership cards. She then read the current treasurer's report. Gene WO2W moved to accept the report as read and Al WA2OWL seconded the motion. The motion passed by acclamation.

July 2017 Meeting Notes (3)

Secretary Randy WU2S summarized a report from the Technical Committee regarding the current state of the W2NPT repeater and various other matters. The full report is appended to these minutes. Joe Stavitsky asked if the club has a solder fume extractor. Randy WU2S replied that he will determine if one is available, and if not, request that one be purchased. Joe also asked if a written note about broken tools or test equipment could be done through email. Randy replied that yes, an email directly to him (randolph@wu2s.com) would be acceptable. Steve WA2BYX asked about the cost of the IM Suppression Panel. After the meeting Randy WU2S reported the Technical Committee request for purchase of a Sinclair # 12210A 132-174 MHz Dual Circulator (factory tuned to our transmitter frequency) with an estimated cost of $582.00. The Council still needs to act upon this request.

Jim W2JC announced that he posted instructions for enabling the W2NPT repeater input CTCSS tone of 167.9 Hz for Baofeng radios on the FLARC website. Kai K2TRW asked about Digital Mobile Radio (DMR) noise from the repeater without an output tone. Jim W2JC replied that some of the repeater's output may be getting back into the input so we are only enabling an input tone at this time. When the suppression panel is installed that condition may change.

Ed WX2R reported for the Publicity Committee. He announced that on July 21, we will have a guest speaker at the Fair Lawn Senior Center. The speaker is Dr. Nathaniel A. Frissell, W2NAF, who is the Lead HamSCI Organizer (www.hamsci.org) and who works at the New Jersey Institute of Technology Center for Solar-Terrestrial Research. Dr. Frissell will tell us about an upcoming study about the effects of the August 21 solar eclipse on radio propagation and what interested citizen scientists can do to help with the data collection.

Ed WX2R noted that on August 18 we are looking for seasoned FLARC members to tell us their stories about the club's history and their experiences. If any member has questions about the early days of FLARC, please email your inquiries directly to Ed.

July 2017 Meeting Notes (4)

Ed WX2R said that we are still trying to get a NASA speaker for September 22. If one is not available, we will hold a discussion about planning for the 2018 Field Day event.

On October 20, we will host guest speaker Ria Jairam, N2RJ. Van W2DLT said that Ria is a well-known contester and member of the Frankford Radio Club. He noted that she will speak to us about women in amateur radio, the use of software-defined radios (SDR) and how to set up a world-class radio station. This presentation will be at the Fair Lawn Senior Center.

On November 17, we are trying to have guest speaker Jonathan Taylor, K1RFD, speak to use about setting up and using Echolink. His appearance is not yet confirmed. Joe is a well-known speaker who received the 2003 Hamvention Special Achievement Award in Dayton and was named to the CQ Magazine Amateur Radio Hall of Fame in 2005.

On December 15, we plan to host ARRL Hudson Division Director Mike Lisenco, N2YBB, to hear his remarks on the current state on amateur radio. This presentation will be in the Fair Lawn Senior Center.

Ed WX2R announced that at the Field Day event, we received a Congressional Recognition certificate from Congressman Josh Gottheimer. This is the second such certificate the club has been awarded. Ed noted that our current 120 members exceeds our previous high point of 117 members in 1989.

President Judith KC2LTM asked if there was any old business. Gordon W2TTT said that Paul W2IP needs to be compensated for the replacement six cavity duplexer he installed on the W2NPT repeater. Gordon made a motion that Council offer Paul his choice of either the cost of the new duplexer or the old four cavity duplexer as a payment in kind. Robert KD2NOG seconded the motion. The motion passed by acclamation. President Judith KC2LTM will discuss the expenditure with the Council and with Paul.

July 2017 Meeting Notes (5)

President Judith KC2LTM asked if there was any new business. Gene WO2W asked if there has been any consideration of changing the date of our December holiday party from December 1 to a later date. President Judith KC2LTM replied that there has not been any discussion of a change.

Tom N2ST announced that he and Karl W2KBF would like to recognize and thank the seven people who participated in our Field Day Get on the Air (GOTA) station. Tom noted that this activity was very rewarding and saw a lot of activity. Present at the meeting were Steve KA2YRA, Carol KD2NMv and Robert KD2NOG, all of whom received an ARRL GOTA pin from Tom and Karl, and the hearty applause of the members present.

Gordon W2TTT offered some suggestions for club emails and other technical matters. President Judith KC2LTM said that she would discuss the ideas with the Council, the Technical Committee and the Webmaster.

The July 2017 business meeting in the Teen Room.

Al WA2OWL suggested that we consider arranging the work area so that there would be more space available when the conference room cannot be used.

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July 2017 Meeting Notes (6)

Van announced that we have several good opportunities for members to get on HF and learn about contesting. The North American QSO Party is on August 19 and 20. We plan to operate at the club on Saturday August 19 from 2:00 p.m. until closing. The New Jersey QSO Party is on September 16 and 17. We plan to operate at the club on Saturday September 16 from 12:00 noon until closing. Contact Van via email if you are interested in operating a club station during either of these events.

Having no further business, President Judith KC2LTM asked for a motion to adjourn. Fred W2ABE so moved and Nancy N2FWI seconded the motion.

The members present voted in favor and the meeting was adjourned at 8:55 p.m.

Respectfully submitted, Randy WU2S, Secretary

Celebrating Our GOTA Participants

Seven licensed FLARC members took part at our Get On The Air (GOTA) station on Field Day. GOTA co-captains Karl (W2KBF) and Tom (N2ST) presented 2017 ARRL commemorative pins to three in attendance at the July meeting.

Front: Steve (KA2YRA), Carol (KD2NMV), and Robert (KD2NOG)
Rear: Tom (N2ST) and Karl (W2KBF) L to R

What's In Your Logbook?

Pete (KD2BMX) sends along the following for June--some nice 6 meter DX!!

6/03/17 – 1305 UTC – YV50AR – 20M – PSK31 - Venezuela
6/03/17 – 1421 UTC – RD3AAD - 20M – JT65 – Russia
6/17/17 – 1948 UTC – WP4JCF – 6M –SSB – Puerto Rico
6/17/17 - 1952 UTC – KP2BH – 6M – SSB – US Virgin Islands
6/17/17 – 2011 UTC – PV8DX – 6M – SSB - Brazil
6/17/17 – 2017 UTC – WP2B - 6M – SSB – US Virgin Islands
6/17/17 – 2027 UTC – FM5AN – 6M – SSB – Martinique
6/17/17 – 2031 UTC – YV5IUA - 6M – SSB – Venezuela
6/17/17 – 2109 UTC – PJ7/W9DR – 6M – SSB – Saint Maarten
6/17/17 – 2119 UTC – P43A – 6M – SSB – Aruba
6/17/17 – 2130 UTC – HI8RD - 6M – SSB – Dominican Republic
6/17/17 – 2150 UTC – PJ4NX – 6M – SSB – Bonaire Is
6/22/17 – 2154 UTC – EA8CZL – 20M – PSK31 – Canary Is
6/22/17 – 2159 UTC – HA7ME – 20M – PSK31 – Hungary
6/23/17 – 1841 UTC – PA1CC – 20M – CW – Netherlands
6/23/17 – 1918 UTC – 5B/DL6JF – 20M – CW - Cyprus
6/23/17 – 1954 UTC – J68GD – 20M - CW – Saint Lucia
6/23/17 – 2015 UTC – OH0Z – 20M – CW - Aland Is

From Jim (W2JC) comes the following logbook entries:

Morocco CN7KD on 20m cw
New Zealand ZM4T on 20m CW (finally!!)
Anguilla VP2EC on 20m CW
Turks & Caicos Island VP5M on 20m CW
Republic of Kosovo Z61DX on 20m CW
Bosnia & Herzegovina E77W on 20m CW
Montserrat VP2MDG on 20m CW
Belarus EU1U on 20m CW
Aland Islands OHØX on 20m CW
Estonia ES5RR on 20m CW
United Arab Republics A6OS on 20m CW
South Cook Islands E51DWC on 20m CW

What's In OUR Logbook?

Jim (W2JC) also notes that over the past month or so, operators at the club station W2NPT have contacted stations in Mexico, Germany, Netherlands, Latvia, Belgium, Spain, Sweden, Lithuania, Columbia, Slovenia, Panama, Hungary, Ukraine, France, Serbia, Cyprus, Croatia, Sardinia, Madeira Island and Russia !

Yes, we have operating stations at the club !! Even in a downward sunspot cycle, that's the fun of HF!!

Save The Date -- July 21:
Propagation And The Solar Eclipse of 2017

On July 21st we will have a special presentation with the timely topic of solar eclipse propagation ahead of the solar eclipse of August 21st, which will be seen in most of North America.

Our speaker will be Nathaniel Frissell (W2NAF) from Bloomfield. He is a post doctoral research associate at the New Jersey Institute of Technology Center for Solar-Terrestrial Research (NJIT-CSTR). He is very interested in how amateur radio can help us understand more about the physics of the ionosphere and is the lead organizer of the HamSCI project.

He completed his Ph.D. in Electrical Engineering in Spring 2016 at the SuperDARN HF radar laboratory at Virginia Tech. He was also involved in the Virginia Tech Amateur Radio Association (VTARA), where he coordinated the VE team. Ham radio interests include HF, CW, HF propagation, and scout radio.

His work in scout radio includes involvement with the W2FSR station at Forestburg Scout Reservation in NY, as well as working on the K2BSA staff at the National Scout Jamboree.

Nathaniel (W2NAF) in Antarctica

HamSCI

http://hamsci.org/seqp-rules

Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

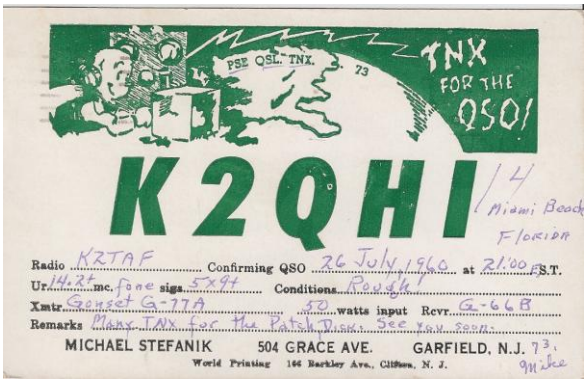
Month	Name	Call Sign
January 2016	**Pete**	**KB2BMX**
February	**Marco**	**KC2ZMA**
March	**Ron**	**KC2TBD**
April	**Kai**	**K2TRW**
May	**Larry**	**WA2ALY**
June	**Dave**	**NK2Q**
July	**Steve**	**WI2W**
August	**Thom**	**N2DI**
September	**Brian**	**KD2KLN**
October	**Brad**	**KD2GNY**
November	**Al**	**WA2OWL**
December	**George**	**W3EH**
January 2017	**Fred**	**W2ABE**
February	**Dave**	**KD2MOB**
March	**Randy**	**WU2S**
April	**Lee**	**KD2DRS**
May	**Gene**	**WO2W**
June	**Carol**	**KD2NMV**
July	**Kevin**	**KC2KCC**

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office. Thanks Randy!!! Back issues are also available on our website.

http://newsletters.FairLawnARC.org

A Look Back

A 1960 QSO between K2QHI/4 in Miami Beach and K2TAF in Fair Lawn. The QSO also included a phone patch. The call sign is now inactive. N2ST...any relation??



K2QHI *From the K2TAF Collection*